J. Electroanal. Chem., 260 (1989) 501–502
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Author index

Adzic, R.R. 475
Ahmed, Z.A. 201
Aldaz, A. 237
Aloisi, G. 259
Amalnerkar, D.P. 433
Andreu, R. 405, 417
Aoki, S. 469
Azuma, M. 441

Baranski, A.S. 1
Barbier, J. 157
Bard, A.J. 457
Barelić, H. 37
Barker, P.D. 303
Bluvstein, A.S. 25
Bothwell, M.E. 193
Bowden, E.F. 487
Brodsky, A.M. 25
Bukowska, J. 373

Cabrera, C.R. 457
Cha, C. 91
Cherigui, A. 75
Christensen, P.A. 347
Clavilier, J. 237
Climant, M.A. 237
Córdova, R. 113

De Jong, H.G. 213
Degrand, C. 137
Desbène-Monvernay, A. 75
Dong, S. 127
Dunsch, L. 495

Enyo, M. 167, 181
Etman, M. 227

Feliu, J.M. 237
Franke, R. 63
Fujishima, A. 447

Garcia, E. 457
Gardiazábal, J.I. 113
Genies, E.M. 145
Golub, D. 383
Gómez, H. 113
Gómez, J. 113
Guidelli, R. 259

Hamnett, A. 347
Harrison, D.J. 249
Hashimoto, K. 441
Hill, H.A.O. 303
Hiramoto, M. 441
Hodko, D. 37
Holub, K. 213
Horányi, G. 495
Hsiao, M.W. 475

Ibrahim, M.S. 201
Ikeda, S. 335
Imanishi, K. 469
Inzelt, G. 495
Ito, K. 335

Jackowska, K. 373
Jaszczynski, K. 373
Jaworski, J.S. 327

Kamal, M.M. 201
Katz, E.Yu. 53
Kossmehl, G. 361
Kunimatsu, K. 167, 181
Kvastek, K. 37

Lacaze, P.C. 75
Lamy-Pitara, E. 157
Lapkowski, M. 145
Lasia, A. 221
Lghouzouani, L. 157
Li, C. 91
Lian, G. 127
Loo, B.H. 447
Lu, W. 1
Lubert, K.-H. 495

Machida, K. 181
Maeda, M. 335
Mansurov, G.N. 25
Marín Galvín, R. 101
Merceron, T. 227
Minoura, H. 433
Molero, M. 405, 417

Neumann-Spallart, M. 227
Nielson, R.M. 15
Nishimura, K. 167, 181
Noda, H. 335

O'Brien, R.N. 231
Ohms, D. 63
Oldham, K.B. 461
Opekar, F. 451
Oren, Y. 383

Paddock, R.M. 487
Penneau, J.F. 145
Petrii, O.A. 25
Pfeiffer, B. 393
Plieth, W.J. 361
Pravdić, V. 37

Radhakrishnan, S. 433
Rodríguez Mellado, J.M. 101

Saito, Y. 335
Sakata, T. 441
Santhanam, K.S.V. 231
Satoh, M. 469
Schrebler, R. 113
Schultze, J.W. 393
Shiu, K.-K. 249
Shkuropatov, A.Ya. 53
Shuvalov, V.A. 53
Skundin, A.M. 25
Soffer, A. 383

Soriaga, M.P. 193
Sugiura, T. 433
Syrchina, N.V. 25

Tainon, Y. 157
Temerk, Y.M. 201
Thyssen, A. 393
Tsushima, R. 469

Ueno, Y. 433

Vagabova, O.I. 53
Valette, G. 425
Valls, M.J. 237
Van Leeuwen, H.P. 213

Walton, N.J. 303
Watanabe, M. 441
Weaver, M.J. 15
Wiesener, K. 63

Yamagata, S. 447
Yasuda, Y. 469
Yeager, E.B. 475
Yoshida, M. 335

Zaidenberg, A.Z. 25
Zerbino, J. 361
Zoltowski, P. 269, 287

J. Electroanal. Chem., 260 (1989) 503–507
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Subject index

Alcohol,
photocatalytic oxidation of ——— by titanium tetraalkoxide — an analog of heterogeneous photocatalysis on TiO_2 (Yamagata et al.) 447
Aluminium,
a comparative study of the adsorption of La^{3+} and ——— at the mercury/aqueous electrolyte interphase (Molero, Andreu) 405
Aminosilane,
chemical modification of the PtO electrode by naphthoquinone using ——— (Katz et al.) 53
Ascorbic acid,
electrocatalytic oxidation of L(+)-——— on single crystal Pt surfaces modified by irreversibly adsorbed Bi (Valls et al.) 237
Azobenzene,
polyanilines from electropolymerization of ——— (Genies et al.) 145

Benzoquinoid compounds,
UV–visible spectroelectrochemical study of some *para-* and *ortho-*———: comparative evaluation of their electrochromic properties (Desbène-Monvernay et al.) 75
Bismuth,
electrocatalytic oxidation of L(+)-ascorbic acid on single crystal Pt surfaces modified by irreversibly adsorbed ——— (Valls et al.) 237
The field effect at the ——— film/electrolyte interface (Bluvstein et al.) 25

Cadmium sulphide,
origin of the photocathodic effect at ——— + CuCl electrodes (Amalnerkar et al.) 433
Carbon,
investigation of the influence of thermal treatment on the properties of ——— materials modified by N_4-chelates for the reduction of oxygen in acidic media (Franke et al.) 63
The electrical double layer of ——— and graphite electrodes. Part V. Specific interactions with simple ions (Golub et al.) 383
Carbon dioxide,
photoelectrochemical reduction products of ——— at metal coated p-GaP photocatodes in non-aqueous electrolytes (Ikeda et al.) 335
——— reduction at low temperature on various metal electrodes (Azuma et al.) 441
Carbon monoxide,
electrocatalysis on Pd + Au alloy electrodes. Part III. IR spectroscopic studies on the surface species derived from ——— and CH_3OH in NaOH solution (Nishimura et al.) 167
Chelates,
investigation of the influence of thermal treatment on the properties of carbon materials modified by N_4-——— for the reduction of oxygen in acidic media (Franke et al.) 63
The role of solvent dynamics in electron transfer. Electrochemical exchange kinetics of cobalt clathrochelates as a probe of reactant vibrational effects (Nielson, Weaver) 15
Chelation,
the influence of coadsorbed iodine on the surface ——— of 2,5-dihydroxythiophenol at iridium electrodes (Bothwell, Soriaga) 193
Chloride ions,
radiotracer evidence proving the embedding of ——— into glassy carbon electrodes (Dunsch et al.) 495
Cobalt clathrochelates,
the role of solvent dynamics in electron transfer. Electrochemical exchange kinetics of ——— as a probe of reactant vibrational effects (Nielson, Weaver) 15

Complex formation,
effect of ——— on the half wave potentials of redox active ligands (Shiu, Harrison) 249
Copper chloride,
origin of the photocathodic effect of CdS + ——— electrodes (Amalnerkar et al.) 433
Copper selenide,
laser interferometry of electroless deposition of ——— (O'Brien, Santhanam) 231
Current transducers,
deconvolution of voltammetric measurements from the slow response of ——— (Baranski, Lu) 1
Cyclic voltammograms,
anomalies in ——— for extreme values of transfer coefficients (Lasia) 221
Cytochrome *c* peroxidase,
electrocatalytic reduction of hydrogen peroxide via direct electron transfer from pyrolytic graphite electrodes to irreversibly adsorbed ——— (Paddock, Bowden) 487

Deconvolution,
——— of voltammetric measurements from the slow response of current transducers (Baranski, Lu) 1
Dibenzotetraazaannulenes,
investigation of the influence of thermal treatment on the properties of carbon materials modified by N_4-chelates for the reduction of oxygen in acidic media (Franke et al.) 63
Dibiphenylene ethene,
reaction entropies for the successive electroreduction of ——— in aprotic solvents (Jaworski) 327
Dicyanodiphenyl ditelluride,
electrochemical synthesis of symmetrical ——— (Degrand) 137
Dielectric constant,
ion size effects in the Hurwitz–Parsons analysis. Allowance for a lower ——— between the two cationic OHPs (Molero, Andreu) 417
2,5-Dihydroxythiophenol,
the influence of coadsorbed iodine on the surface chelation of ——— at iridium electrodes (Bothwell, Soriaga) 193
Dimethyl formamide,
studies of the reduction of thionyl chloride in ——— using microdisc electrodes (Li, Cha) 91
Disc microelectrode,
steady-state concentrations and fluxes in the vicinity of a reversible inlaid ——— (Oldham) 461

Electrochromism
UV–visible spectroelectrochemical study of some *para*- and *ortho*-benzoquinoid compounds: comparative evaluation of their electrochromic properties (Desbène-Monvernay et al.) 75
Electron transfer,
electrocatalytic reduction of hydrogen peroxide via direct ——— from pyrolytic graphite electrodes to irreversibly adsorbed cytochrome *c* peroxidase (Paddock, Bourden) 487
Fast second order ——— reactions coupled to redox protein electrochemistry. Experiment and digital simulation (Barker et al.) 303
The role of solvent dynamics in ———. Electrochemical exchange kinetics of cobalt clathrochelates as a probe of reactant vibrational effects (Nielson, Weaver) 15
Ellipsometry,
ellipsometric examination of electrically conductive films of poly(2,5-thiophenediyl) (Zerbino et al.) 361
Entropies,
reaction ——— for the successive electroreduction of dibiphenylene ethene in aprotic solvents (Jaworski) 327
Ethylene glycol,
the oxidation of ——— at a platinum electrode in acid and base. An in situ FTIR study (Christensen, Hamnett) 347

Ferri/ferrocyanide,
electrochemical behaviour of ——— redox ions in a polypyrrole film (Lian, Dong) 127
Field effect,
the ——— at the bismuth film/electrolyte interface (Bluvstein et al.) 25
Formaldehyde,
electrocatalysis of Pd + Au alloy electrodes. Part IV. IR spectroscopic studies on the surface species derived from ——— and formate in alkaline solutions (Nishimura et al.) 181
Formate,
electrocatalysis of Pd + Au alloy electrodes.

Part IV. IR spectroscopic studies on the surface species derived from formaldehyde and ——— in alkaline solutions (Nishimura et al.) 181

Gallium phosphide,
photoelectrochemical reduction products of carbon dioxide at metal coated p-——— photocathodes in non-aqueous electrolytes (Ikeda et al.) 335
Glassy carbon,
radiotracer evidence proving the embedding of Cl^- ions into ——— electrodes (Dunsch et al.) 495
Glucose,
electrochemical oxidation of ——— on single crystal gold surfaces (Adzic et al.) 475
Gold,
electrocatalysis on Pd + Au alloy electrodes. Part III. IR spectroscopic studies on the surface species derived from CO and CH_3OH in NaOH solution (Nishimura et al.) 167
Electrocatalysis of Pd + Au alloy electrodes. Part IV. IR spectroscopic studies on the surface species derived from formaldehyde and formate in alkaline solutions (Nishimura et al.) 181
Electrochemical oxidation of glucose on single crystal ——— surfaces (Adzic et al.) 475
Graphite,
electrocatalytic reduction of hydrogen peroxide via direct electron transfer from pyrolytic ——— electrodes to irreversibly adsorbed cytochrome *c* peroxidase (Paddock, Bowden) 487
The electrical double layer of carbon and ——— electrodes. Part V. Specific interactions with simple ions (Golub et al.) 383

Heterogeneity,
the crystalline ——— correction of the double-layer capacity for single-crystal electrodes (Valette) 425
Hurwitz–Parsons analysis,
ion size effects in the ———. Allowance for a lower dielectric constant between the two cationic OHPs (Molero, Andreu) 417
Hydrogen,
an immittance study of the mechanism of ——— reactions on a tungsten carbide electrode. Part I. Experiment and analysis in terms of a linear model (Zoltowski) 269
An immittance study of the mechanism of ——— reactions on a tungsten carbide electrode. Part II. Analysis in terms of a non-linear model (Zoltowski) 287
Detection of ——— in air with a detector containing a Nafion membrane metallized on both sides (Opekar) 451
The electrocatalytic reactions of oxidation, evolution and adsorption of ——— on partially sulphurized platinum (Lamy-Pitara et al.) 157
Hydrogen peroxide,
electrocatalytic reduction of ——— via direct electron transfer from pyrolytic graphite electrodes to irreversibly adsorbed cytochrome *c* peroxidase (Paddock, Bowden) 487

Immittance,
an ——— study of the mechanism of hydrogen reactions on a tungsten carbide electrode. Part I. Experiment and analysis in terms of a linear model (Zoltowski) 269
An ——— study of the mechanism of hydrogen reactions on a tungsten carbide electrode. Part II. Analysis in terms of a non-linear model (Zoltowski) 287
Inlaid disc microelectrode,
steady-state concentrations and fluxes in the vicinity of a reversible ——— (Oldham) 461
Iodine,
the influence of coadsorbed ——— on the surface chelation of 2,5-dihydroxythiophenol at iridium electrodes (Bothwell, Soriaga) 193
Ion size effects,
——— in the Hurwitz–Parsons analysis. Allowance for a lower dielectric constant between the two cationic OHPs (Molero, Andreu) 417
Iridium,
the influence of coadsorbed iodine on the surface chelation of 2,5-dihydroxythiophenol at ——— electrodes (Bothwell, Soriaga) 193

Lanthanum,
a comparative study of the adsorption of ——— and Al^{3+} at the mercury/aqueous electrolyte interphase (Molero, Andreu) 405
Laser interferometry,
——— of electroless deposition of copper selenide (O'Brien, Santhanam) 231

Ligands,
effect of complex formation on the half wave potentials of redox active ——— (Shiu, Harrison) 249
Voltammetry of metal complex systems with different diffusion coefficients of the species involved. Part IV. Simulation of the limiting current for any metal-to-——— ratio and elaboration to voltammetric titration curves (Van Leeuwen et al.) 213
Limiting current,
voltammetry of metal complex systems with different diffusion coefficients of the species involved. Part IV. Simulation of the ——— for any metal-to-ligand ratio and elaboration to voltammetric titration curves (Van Leeuwen et al.) 213
Mercury,
a comparative study of the adsorption of La^{3+} and Al^{3+} at the ———/aqueous electrolyte interphase (Molero, Andreu) 405
Mercury dichromium selenide,
photoelectrochemical study of n-——— single crystals in aqueous solutions (Etman et al.) 227
Metal complex,
voltammetry of ——— systems with different diffusion coefficients of the species involved. Part IV. Simulation of the limiting current for any metal-to-ligand ratio and elaboration to voltammetric titration curves (Van Leeuwen et al.) 213
Methanol,
electrocatalysis on Pd + Au alloy electrodes. Part III. IR spectroscopic studies on the surface species derived from CO and ——— in NaOH solution (Nishimura et al.) 167
Microdisc electrodes,
studies of the reduction of thionyl chloride in dimethyl formamide using ——— (Li, Cha) 91
Nafion,
detection of hydrogen in air with a detector containing a ——— membrane metallized on both sides (Opekar) 451
Naphthoquinone,
chemical modification of the PtO electrode by ——— using aminosilane (Katz et al.) 53
Near-critical fluids,
electrochemistry in ——— and supercritical fluids. Part 7. SO_2 (Cabrera et al.) 457
Nickel,
interfacial impedance studies of the surface film formation in a ——— alloy (Kvastek et al.) 37
Nicotinamide,
on the electrochemical reduction of ——— in an acid medium (Marín Galvín, Rodríguez Mellado) 101
Oxygen,
investigation of the influence of thermal treatment on the properties of carbon materials modified by N_4-chelates for the reduction of ——— in acidic media (Franke et al.) 63
Palladium,
electrocatalysis on ——— + Au alloy electrodes. Part III. IR spectroscopic studies on the surface species derived from CO and CH_3OH in NaOH solution (Nishimura et al.) 167
Electrocatalysis of ——— + Au alloy electrodes. Part IV. IR spectroscopic studies on the surface species derived from formaldehyde and formate in alkaline solutions (Nishimura et al.) 181
Photocathodic effect,
origin of the ——— at CdS + CuCl electrodes (Amalnerkar et al.) 433
Platinum,
electrocatalytic oxidation of L(+)-ascorbic acid on single crystal ——— surfaces modified by irreversibly adsorbed Bi (Valls et al.) 237
The electrocatalytic reactions of oxidation, evolution and adsorption of hydrogen on partially sulphurized ——— (Lamy-Pitara et al.) 157
The oxidation of ethylene glycol at a ——— electrode in acid and base. An in situ FTIR study (Christensen, Hamnett) 347
Platinum oxide,
chemical modification of the ——— electrode by naphthoquinone using aminosilane (Katz et al.) 53
Polyanilines,
——— from electropolymerization of azobenzene (Genies et al.) 145
Proton migration and water diffusion in ——— (Pfeiffer et al.) 393
Polypyrrole,
electrochemical behaviour of $Fe(CN)_6^{3-/4-}$ redox ions in a ——— film (Lian, Dong) 127

The effects of electrolyte on electrical conductivity of electrochemically prepared ——— and polythiophene films (Imanishi et al.) 469
Polythiophene,
the effects of electrolyte on electrical conductivity of electrochemically prepared polypyrrole and ——— films (Imanishi et al.) 469
Poly(2,5-thiophenediyl),
ellipsometric examination of electrically conductive films of ——— (Zerbino et al.) 361
Protein,
fast second order electron transfer reactions coupled to redox ——— electrochemistry. Experiment and digital simulation (Barker et al.) 303
Proton migration,
——— and water diffusion in polyaniline (Pfeiffer et al.) 393
Pyrrole,
SERS and impedance studies of ——— adsorption on a polycrystalline silver electrode (Bukowska et al.) 373

Reactant vibrational effects,
the role of solvent dynamics in electron transfer. Electrochemical exchange kinetics of cobalt clathrochelates as a probe of ——— (Nielson, Weaver) 15
Rhenium,
electrochemical behaviour of ——— in aqueous solution (Gómez et al.) 113

Silver,
SERS and impedance studies of pyrrole adsorption on a polycrystalline ——— electrode (Bukowska et al.) 373
Single-crystal electrodes,
the crystalline heterogeneity correction of the double-layer capacity for ——— (Valette) 425
Sodium hydroxide,
electrocatalysis on Pd + Au alloy electrodes. Part III. IR spectroscopic studies on the surface species derived from CO and CH_3OH in ——— solution (Nishimura et al.) 167
Solvent dynamics,
the role of ——— in electron transfer. Electrochemical exchange kinetics of cobalt clathrochelates as a probe of reactant vibrational effects (Nielson, Weaver) 15
Spinel,
photoelectrochemical study of n-$HgCr_2Se_4$ single crystals in aqueous solutions (Etman et al.) 227
Sulphur,
the electrocatalytic reactions of oxidation, evolution and adsorption of hydrogen on partially sulphurized platinum (Lamy-Pitara et al.) 157
Sulphur dioxide,
electrochemistry in near-critical and supercritical fluids. Part 7. ——— (Cabrera et al.) 457
Supercritical fluids,
electrochemistry in near-critical and ———. Part 7. SO_2 (Cabrera et al.) 457
Surface film,
interfacial impedance studies of the ——— formation in a nickel alloy (Kvastek et al.) 37

Thionyl chloride,
studies of the reduction of ——— in dimethyl formamide using microdisc electrodes (Li, Cha) 91
Titanium tetraalkoxide,
photocatalytic oxidation of alcohol by ——— — an analog of heterogeneous photocatalysis on TiO_2 (Yamagata et al.) 447
Transfer coefficients,
anomalies in cyclic voltammograms for extreme values of ——— (Lasia) 221
Tungsten carbide,
an immittance study of the mechanism of hydrogen reactions on a ——— electrode. Part I. Experiment and analysis in terms of a linear model (Zoltowski) 269
An immittance study of the mechanism of hydrogen reactions on a ——— electrode. Part II. Analysis in terms of a non-linear model (Zoltowski) 287

Uracil,
the effect of pH and the nature of the anions of the supporting electrolyte on the adsorption and the association of ——— and uridine at the charged interface (Temerk et al.) 201
Uridine,
the effect of pH and the nature of the anions of the supporting electrolyte on the adsorption and the association of uracil and ——— at the charged interface (Temerk et al.) 201

Water diffusion,
proton migration and ——— in polyaniline (Pfeiffer et al.) 393
Water molecules,
a three-dimensional model for ——— against a charged interface (Aloisi, Guidelli) 259